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09/990,068	11/21/2001	Tan Nguyen	FCI-2652/C3197	1479

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EXAMINER

FIGUEROA, FELIX O

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 07/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/990,068

Applicant(s)

NGUYEN, TAN

Examiner

Felix O. Figueroa

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-32 and 40-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-32 and 40-43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 23 December 2002 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8, 10-32, and 40-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Williams et al. (US 4,593,464) in view of Hosler, Sr. (US 5,062,808).

Williams discloses an electrical contact comprising: a rear end having a first interface (right side of Fig.5); and a front end having a second interface (left side of Fig.5). Williams discloses substantially the claimed invention except for prevention of the flexible contact medium from being bent toward the center. Hosler teaches a triaxial contact (Fig.3) with a second interface (right side/138) with a flange/curved rim that prevents the flexible medium (112/124) from being bent toward the center of the electrical contact to protect the flexible medium. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the electrical contact of Williams with a second interface that prevents the flexible medium from being bent toward the center of the electrical contact, as taught by Hosler, to protect the flexible medium.

Regarding claim 2, Williams also discloses the first interface connecting to a connector medium.

Art Unit: 2833

Regarding claim 3, Hosler discloses a front end of the flexible contact medium being isolated by a connector flange (at 138) on the second interface. Regarding claim 4, Hosler teaches the connector flange being part of a first insulator (132).

Regarding claim 5, Williams discloses the front end of the flexible contact medium being tapered toward an outer boundary of the second interface.

Regarding claim 6, Hosler discloses the front end of the flexible contact medium is isolated from the connector by a curve rim (at 138) on the second interface.

Regarding claim 7, Williams discloses the second interface permits connection of the connector with a rear portion of the flexible contact medium.

Regarding claims 8, 10-14, Williams discloses the electrical contact being a male triaxial pin and the connector being a triaxial connector; the front and rear ends being tubular; and the first interface having one or more connection pins.

Specifically in regard to claim 15, Williams discloses an electrical contact comprising: an intermediate contact (20) having a flexible connection medium; an outer contact (10) surrounding the intermediate contact; a first insulator (2) surrounding the intermediate contact and the flexible connection medium, wherein the first insulator provides electrical isolation of the intermediate contact from the outer contact, and wherein the first insulator has a front face, and wherein the outer contact surrounds the first insulator; and a center contact (30) surrounded by the intermediate contact.

Williams discloses substantially the claimed invention except for prevention of the flexible contact medium from being bent toward the center. Hosler teaches a triaxial contact (Fig.3) with a second interface (right side/138) with a flange/curved rim that

Art Unit: 2833

prevents the flexible medium (112/124) from being bent toward the center of the electrical contact to protect the flexible medium. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the electrical contact of Williams with a second interface that prevents the flexible medium from being bent toward the center of the electrical contact, as taught by Hosler, to protect the flexible medium.

Regarding claim 16, William also discloses a second insulator (3) located between the intermediate contact and the center contact.

Regarding claims 17 and 18, Hosler discloses a flange (at 138) on the front face, wherein the flange isolates a front portion of the flexible connection medium from the mating connector; and a ledge (at 138) on the front face, wherein a front portion of the flexible connection medium is located below the ledge.

Regarding claims 19-21, Williams discloses the front portion of the flexible connection medium having a taper that guides the mating connector; and the front portion of the flexible connection medium tapered toward the outer boundary.

Regarding claim 23, Williams discloses a third insulator (back end of 3) surrounding the center contact.

Regarding claim 24, Williams discloses the center contact connected to a center pin that extends from the rear side of the outer contact.

Regarding claim 29, Williams discloses the outer contact connected to an outer pin that extends from a rear side and is within a boundary of the outer contact.

Art Unit: 2833

Regarding claims 25, 27, 28 and 30 please note that a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, as in the present situation, then it meets the claim. See *In re Casey*, 152 USPQ 235 (CCPA 1967) and *In re Otto*, 136 USPQ 458, 459 (CCPA 1963).

Specifically on claim 31, Williams teaches an electrical connector comprising: a shell (1); an electrical contact (10,20,30) located within the housing, comprising: a rear end having a first interface, and a front end having a second interface to a connector; and at least one other electrical contact located within the shell; the shell is substantially circular and surrounds the electrical contacts. Williams discloses substantially the claimed invention except for prevention of the flexible contact medium from being bent toward the center. Hosler teaches a triaxial contact (Fig.3) with a second interface (right side/138) with a flange/curved rim that prevents the flexible medium (112/124) from being bent toward the center of the electrical contact to protect the flexible medium. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the electrical contact of Williams with a second interface that prevents the flexible medium from being bent toward the center of the electrical contact, as taught by Hosler, to protect the flexible medium.

Response to Arguments

Applicant's arguments filed 06/06/03 have been fully considered but they are not persuasive.

Art Unit: 2833

In response to applicant's arguments that Hosler does not prevent the flexible medium from being bent toward the center pin, please see column 5 lines 3-5 of Hosler.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Hostler discloses flange/curved rim that prevents the flexible medium from being bent toward the center of the electrical contact to protect the flexible medium.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felix O. Figueroa whose telephone number is (703) 308-0097. The examiner can normally be reached on Mon.-Fri., 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

Art Unit: 2833

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

ffr
July 21, 2003



RENEE LUEBKE
PRIMARY EXAMINER